

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082118.D
 Acq On : 14 May 2024 16:27
 Operator : JC\MD
 Sample : P2459-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:48:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

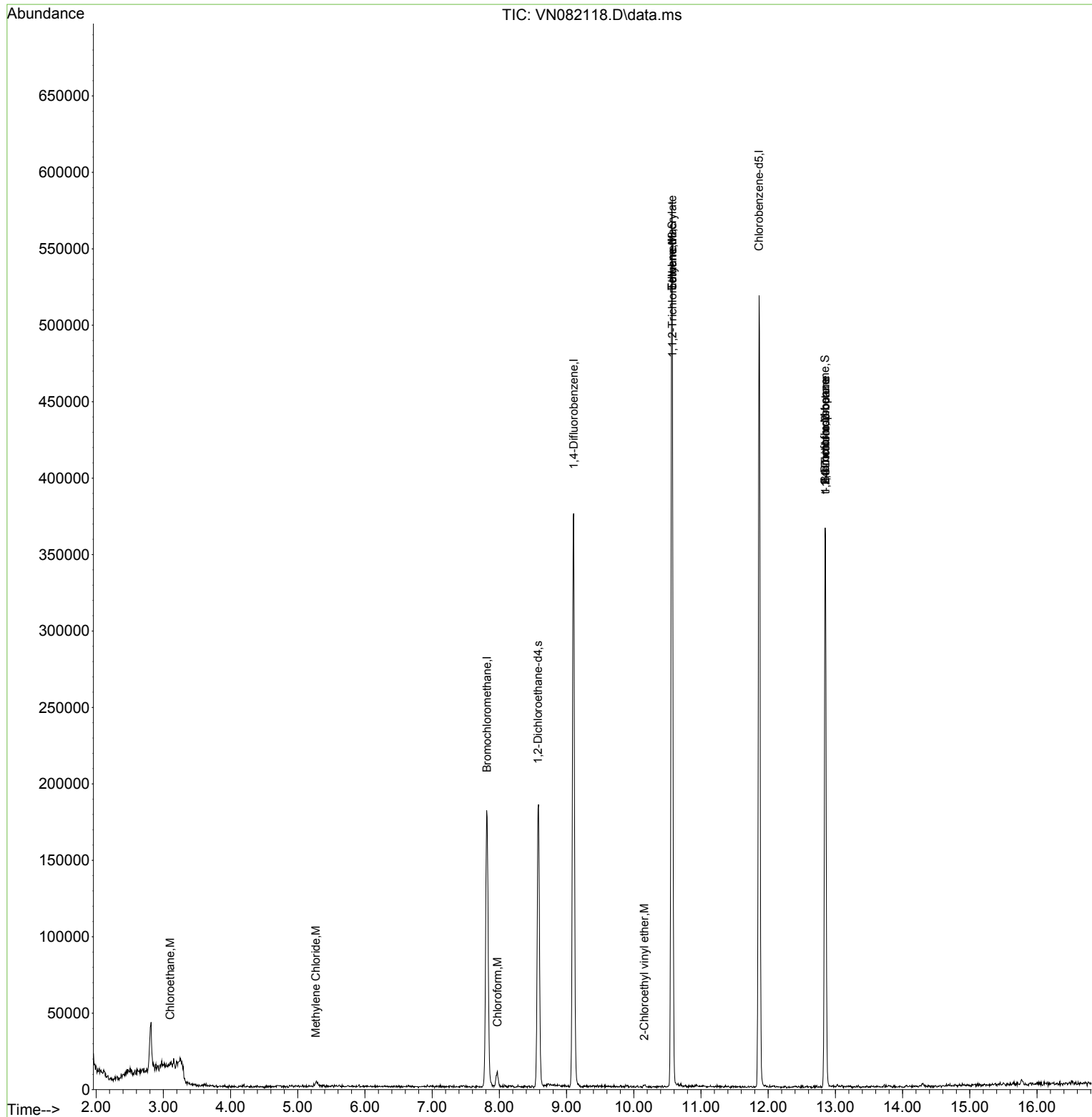
Internal Standards						
1) Bromochloromethane	7.818	128	57840	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	299808	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	265532	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	152151	31.419	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.733%	
60) 4-Bromofluorobenzene	12.847	95	114390	25.886	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 86.300%	
63) Toluene-d8	10.571	98	380010	30.135	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.467%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.100	64	636	0.312	ug/l	# 41
18) Methylene Chloride	5.271	84	1541	0.384	ug/l	# 85
25) Chloroform	7.971	83	8335	1.193	ug/l	88
50) 1,1,2-Trichloroethane	10.576	97	12435	3.905	ug/l	# 1
51) Ethyl methacrylate	10.571	69	1673	0.278	ug/l	77
55) 2-Chloroethyl vinyl ether	10.159	63	668	0.222	ug/l	# 82
56) Bromoform	12.847	173	913	0.433	ug/l	# 1
72) 1,2,3-Trichloropropane	12.853	75	68842	19.162	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	68842	37.662	ug/l	# 12

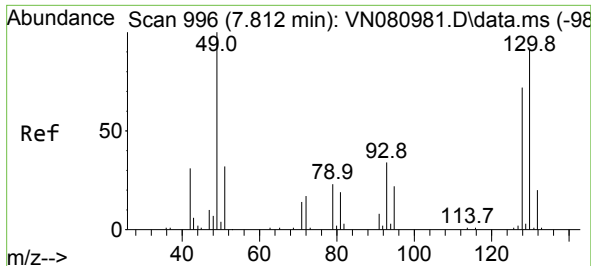
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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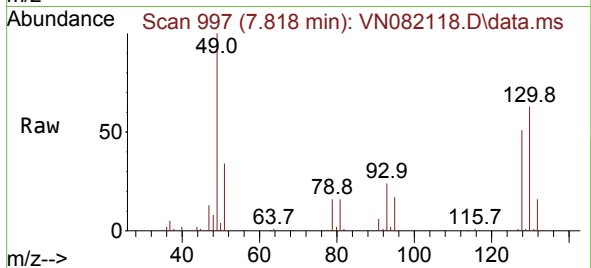
Quant Time: May 15 02:48:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 14 11:29:16 2024
Response via : Initial Calibration



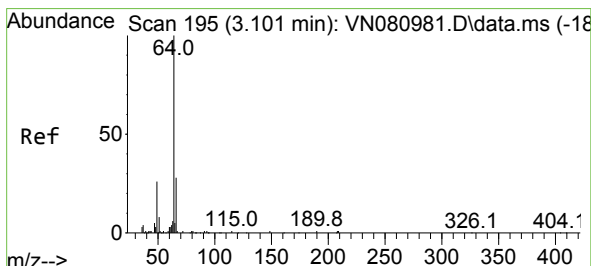
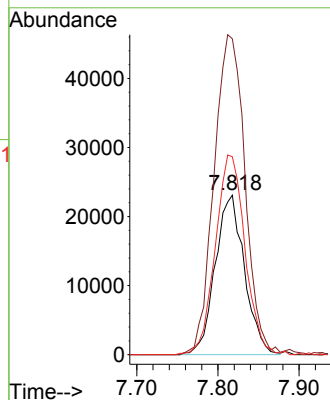
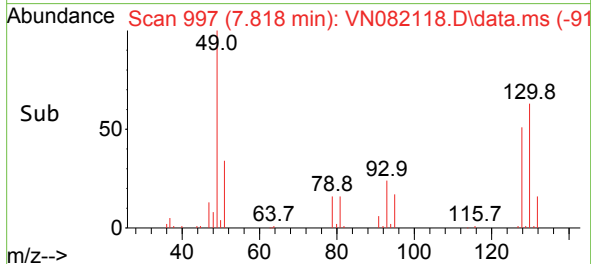


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :

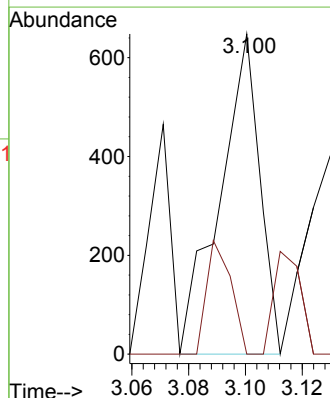
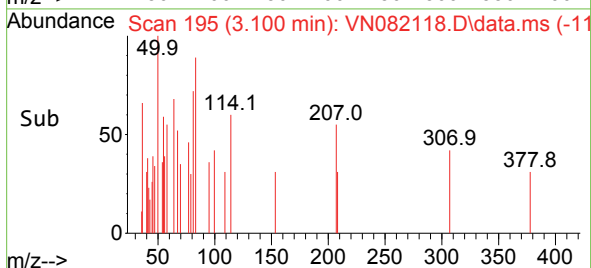
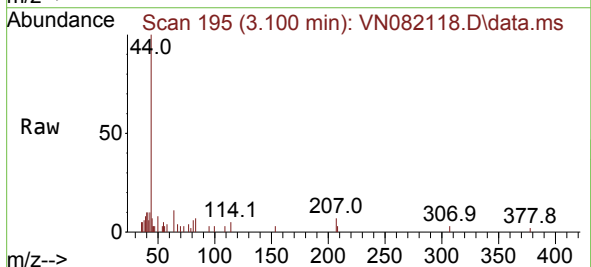


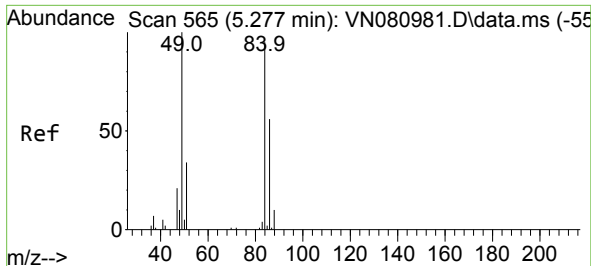
Tgt Ion:128 Resp: 57840
Ion Ratio Lower Upper
128 100
49 212.2 0.0 403.7
130 126.7 0.0 323.3



#6
Chloroethane
Concen: 0.312 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.000 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

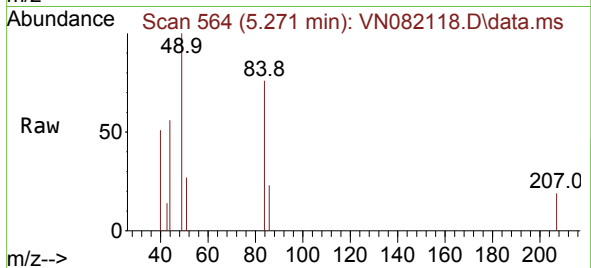
Tgt Ion: 64 Resp: 636
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



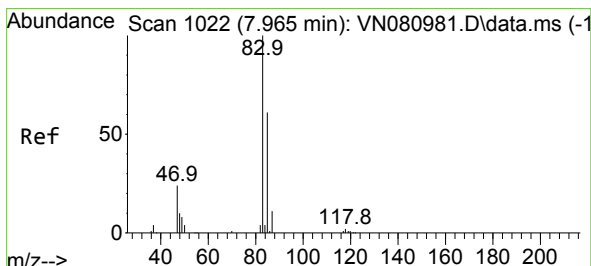
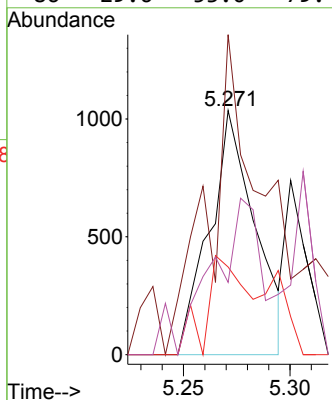
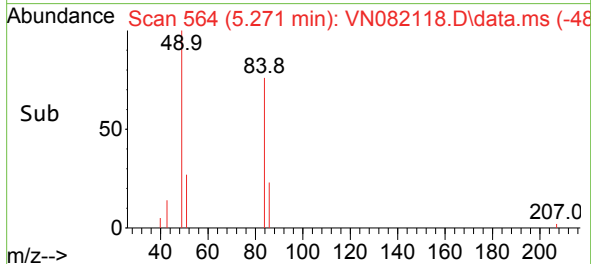


#18
Methylene Chloride
Concen: 0.384 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :

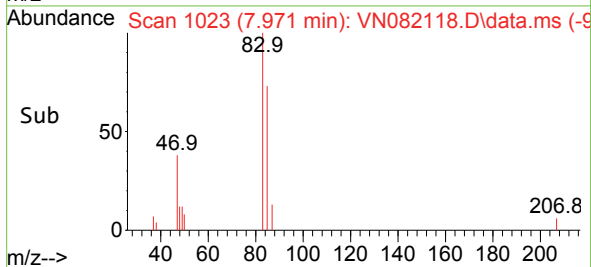
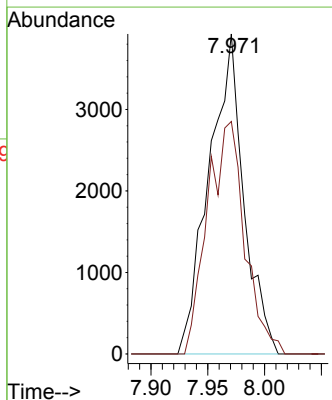
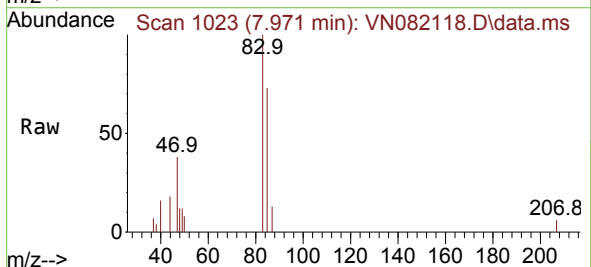


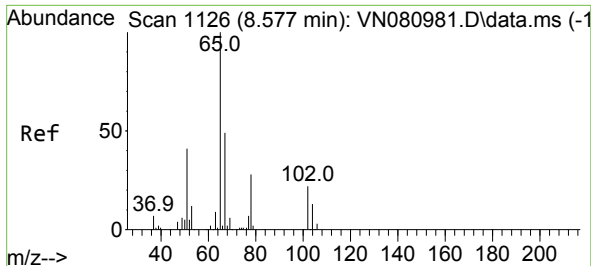
Tgt Ion:	84	Resp:	1541
Ion	Ratio	Lower	Upper
84	100		
49	108.1	86.0	129.0
51	35.9	30.0	45.0
86	29.6	53.0	79.4



#25
Chloroform
Concen: 1.193 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Tgt Ion:	83	Resp:	8335
Ion	Ratio	Lower	Upper
83	100		
85	72.7	50.9	76.3





#27

1,2-Dichloroethane-d4

Concen: 31.419 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082118.D

Acq: 14 May 2024 16:27

Instrument :

MSVOA_N

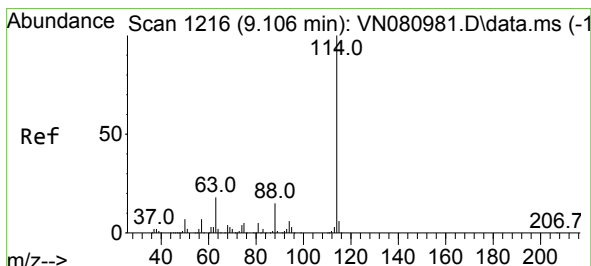
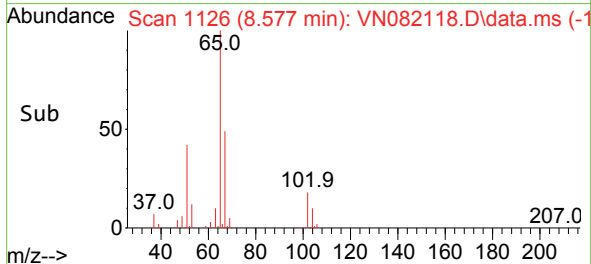
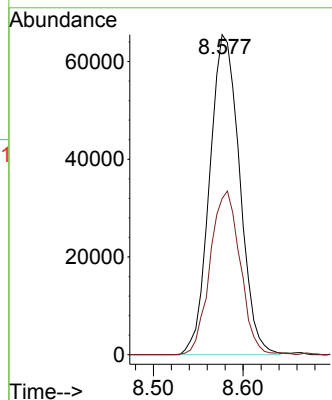
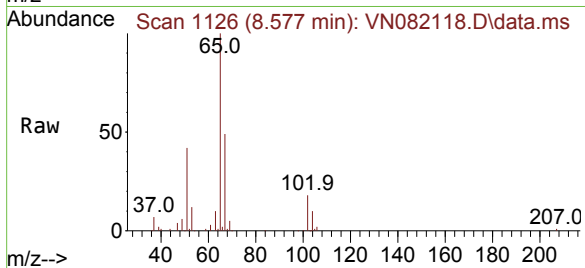
ClientSampleId :

Tgt Ion: 65 Resp: 152151

Ion Ratio Lower Upper

65 100

67 51.1 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN082118.D

Acq: 14 May 2024 16:27

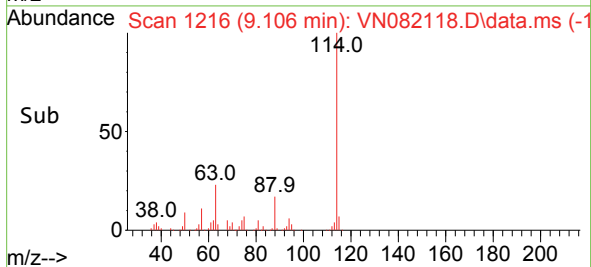
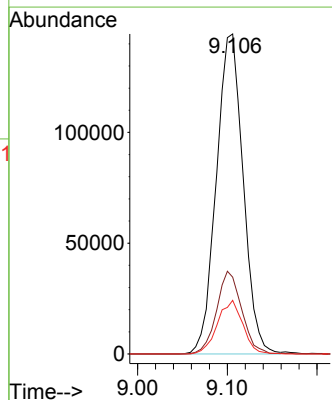
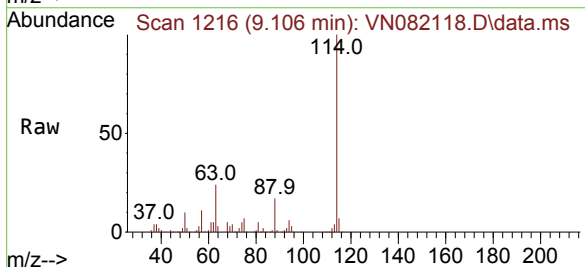
Tgt Ion: 114 Resp: 299808

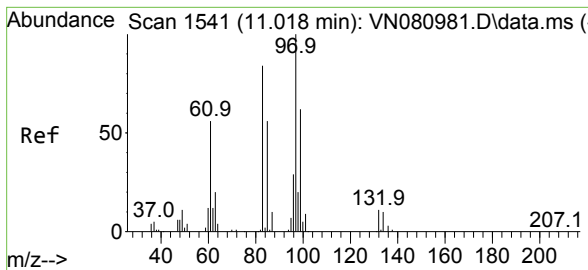
Ion Ratio Lower Upper

114 100

63 24.1 15.9 23.9#

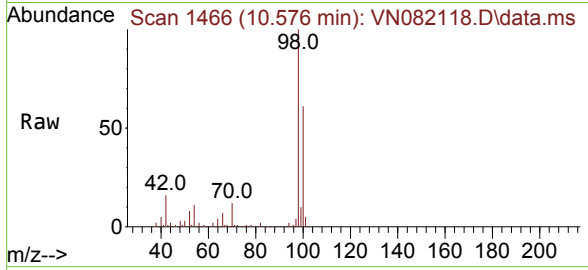
88 15.9 12.7 19.1



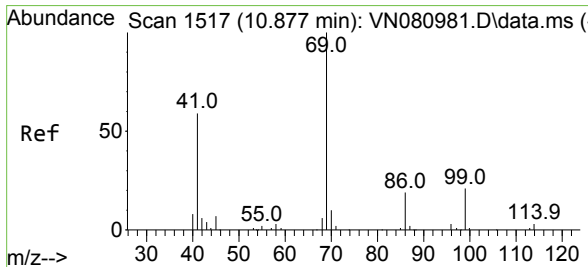
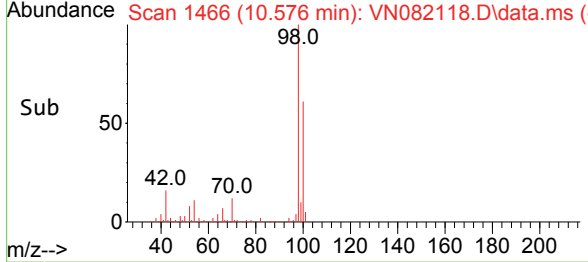
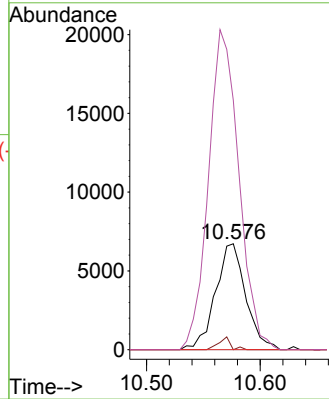


#50
1,1,2-Trichloroethane
Concen: 3.905 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :

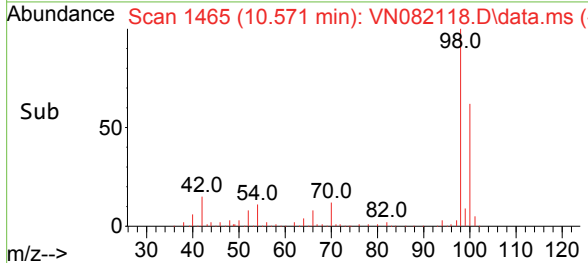
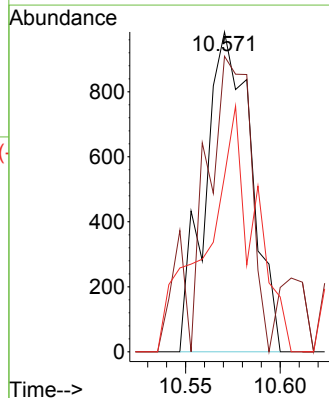
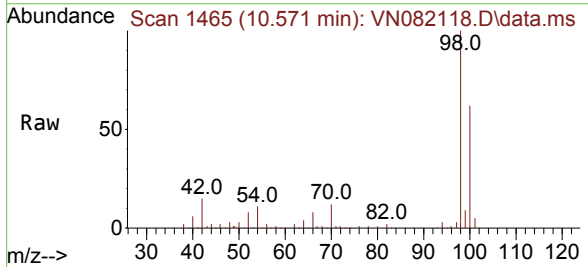


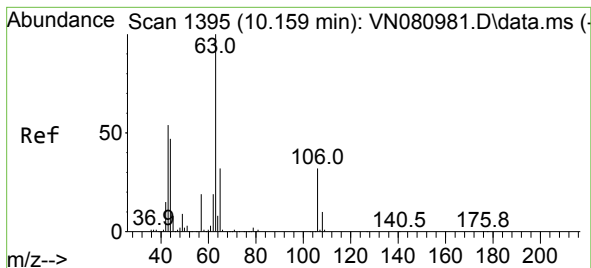
Tgt Ion: 97 Resp: 12435
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 235.2 47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.278 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

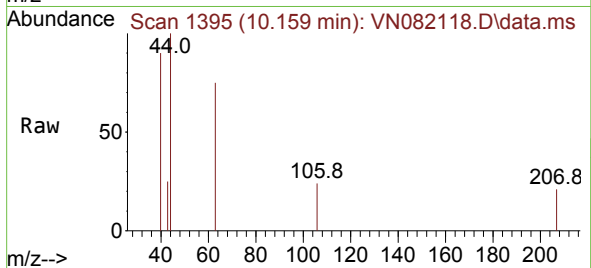
Tgt Ion: 69 Resp: 1673
Ion Ratio Lower Upper
69 100
41 72.3 25.5 76.5
39 37.8 16.0 47.9



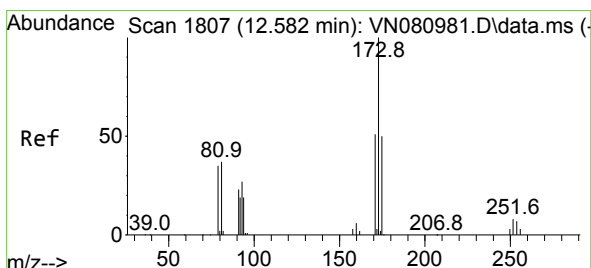
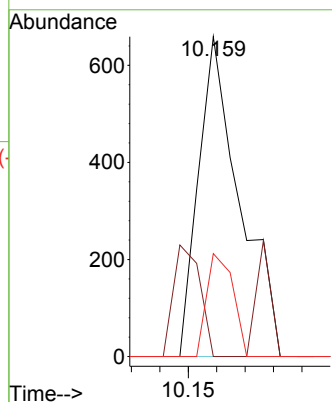
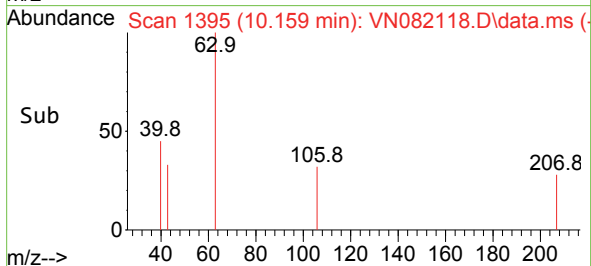


#55
 2-Chloroethyl vinyl ether
 Concen: 0.222 ug/l
 RT: 10.159 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN082118.D
 Acq: 14 May 2024 16:27

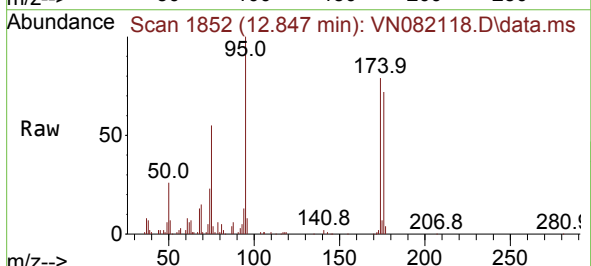
Instrument :
 MSVOA_N
 ClientSampleId :



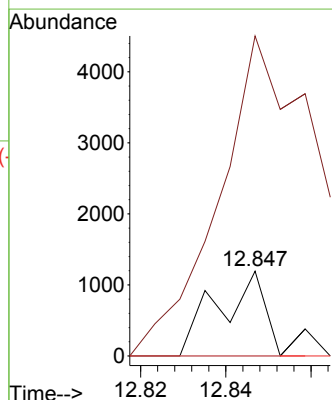
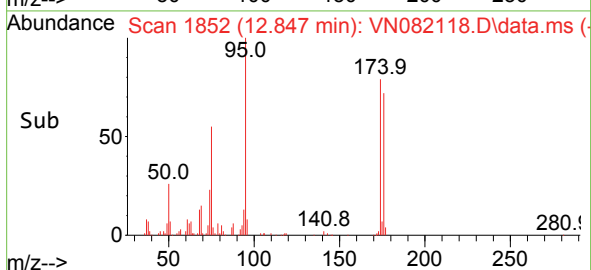
Tgt Ion: 63 Resp: 668
 Ion Ratio Lower Upper
 63 100
 65 22.3 26.2 39.2#
 106 20.4 23.8 35.8#

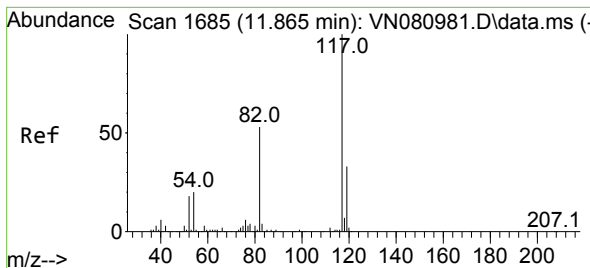


#56
 Bromoform
 Concen: 0.433 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.265 min
 Lab File: VN082118.D
 Acq: 14 May 2024 16:27



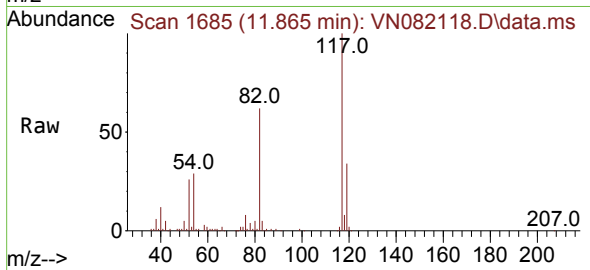
Tgt Ion: 173 Resp: 913
 Ion Ratio Lower Upper
 173 100
 175 772.2 40.0 60.0#
 254 0.0 8.3 12.5#



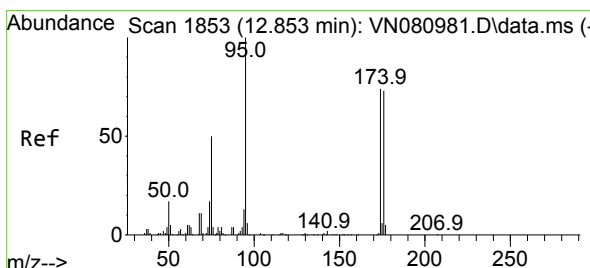
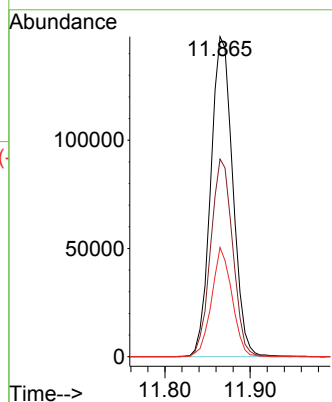
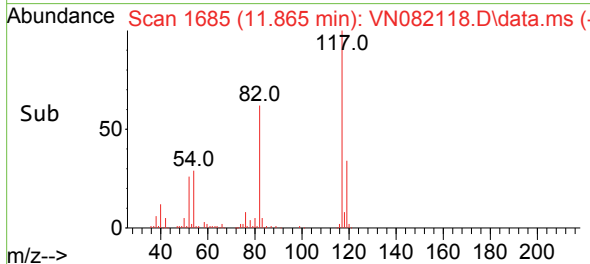


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :

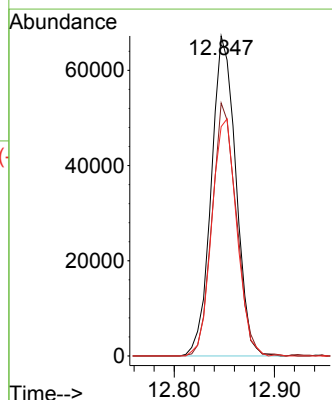
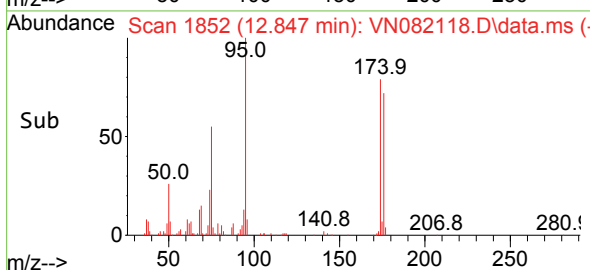
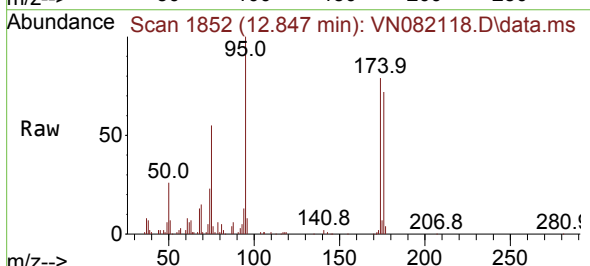


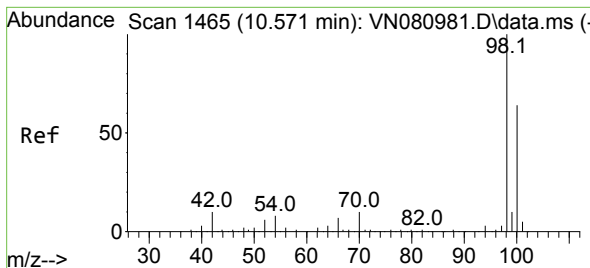
Tgt Ion:117 Resp: 265532
Ion Ratio Lower Upper
117 100
82 61.6 46.6 69.8
119 31.7 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.886 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Tgt Ion: 95 Resp: 114390
Ion Ratio Lower Upper
95 100
174 78.0 60.5 90.7
176 75.4 57.8 86.6





#63

Toluene-d8

Concen: 30.135 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082118.D

Acq: 14 May 2024 16:27

Instrument :

MSVOA_N

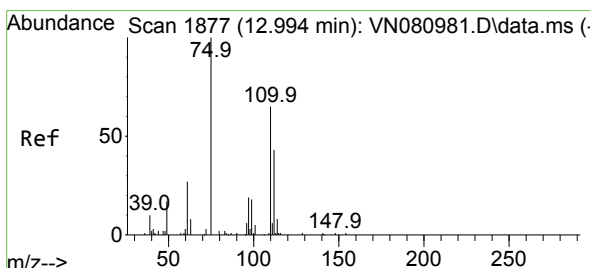
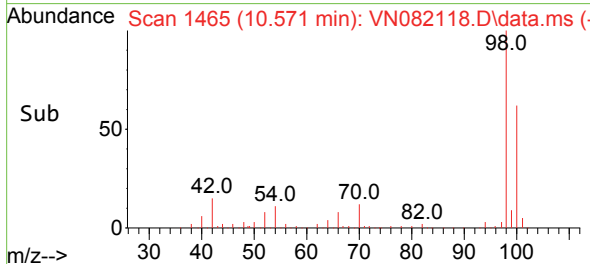
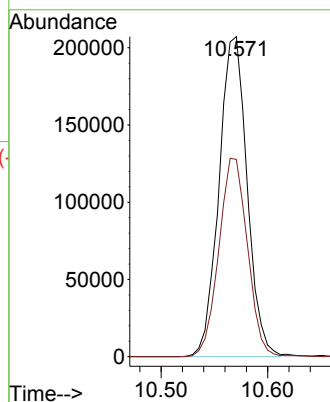
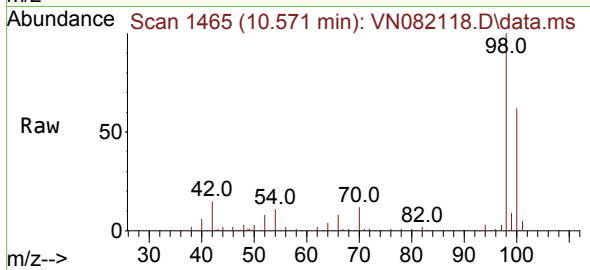
ClientSampleId :

Tgt Ion: 98 Resp: 380010

Ion Ratio Lower Upper

98 100

100 63.0 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 19.162 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082118.D

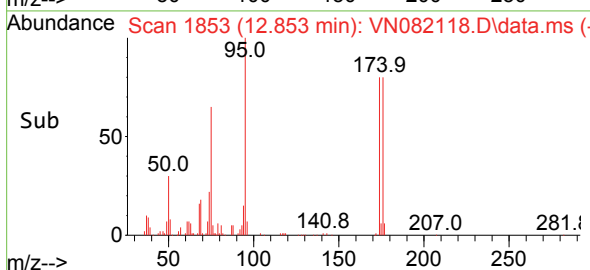
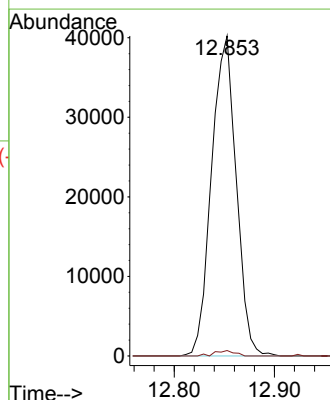
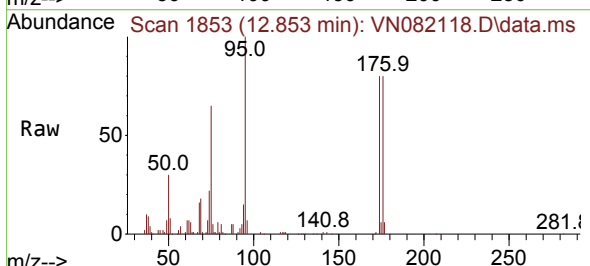
Acq: 14 May 2024 16:27

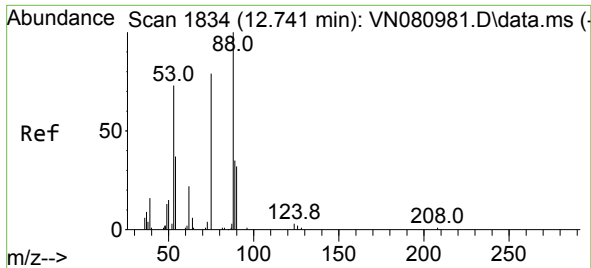
Tgt Ion: 75 Resp: 68842

Ion Ratio Lower Upper

75 100

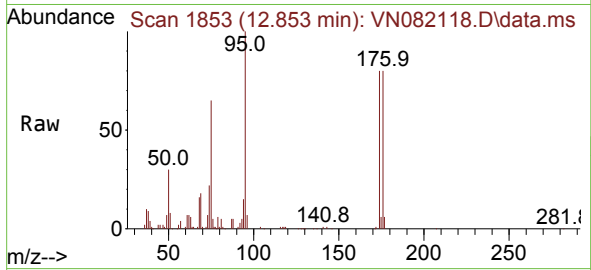
77 1.2 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 37.662 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN082118.D
Acq: 14 May 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 68842

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

